

#2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC978 U.S. PTO
10/051595
01/17/02

APPLICATION OF: Ying-Li Tian, et al.

DATED: January 17, 2002

SERIAL NO.:

EXAMINER:

FILED: Herewith

GROUP ART:

FOR: **SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING NEUTRAL
EXPRESSIONLESS FACES IN DIGITAL IMAGES**

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached are a PTO-1449 form and copies of listed references for your consideration in the prosecution of the application above. A fee required under 37 C.F.R. 1.17(p) is authorized to be charged to Deposit Account Number 09-0468.

Respectfully submitted,

By: 

Louis J. Percello
Reg. No. 38206

IBM Corporation
Intellectual Property Law
P.O. Box 218
Yorktown Heights, New York 10598
Tel: (914) 945-3145
Fax: (914) 945-3281

IBM DOCKET NO.: YOR920020007US1

Express Mail: EV049584639US
Date of Deposit: January 17, 2002

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. YOR9/2002/0007US1	SERIAL NO.
	APPLICANT: YING-LI TIAN, ET AL	
	FILING DATE: Herewith	GROUP:

JC978 U.S. PTO
 10/051595
 01/17/02

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS					
EXAMINER INITIALS			DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)
	AA		5,164,992	11/17/92	Turk, et al			
	AB		5,410,609	4/25/95	Kado, et al			
	AC							
	AD							

FOREIGN PATENT DOCUMENTS								
			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
								YES NO
	AE							

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AF	Computer Recognition of Human Faces by Takeo Kanade, pp. 47-63
AG	Manual for the Facial Action Coding System by Paul Ekman, Ph.D. and Wallace V. Friesen, Ph.D., (Paul Ekman, 1978) pp. 1-6
AH	Recognizing Human Facial Expressions from Long Image Sequences Using Optical Flow by Yaser Yacoob and Larry S. Davis, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 18, No. 6, June 1996, pp. 636-642
AI	Classifying Facial Actions by Gianluca Donato, Stewart Bartlett, Joseph C. Hager, Paul Ekman and Terrence J. Sejnowski, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 21, No. 10, October 1999, pp. 974-989
AJ	Recognizing action Units for Facial Expression Analysis by Ying-li Tian, Memer, IEEE, Takeo Kanade, Fellow, IEEE and Jeffrey F. Cohn, Member, IEEE, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 23, No. 2, February 2001, pp. 97-115
AK	Computer Vision by Dana H. Ballard and Christopher M. Brown, pp. 68-70, <i>pp. 75-80</i>

AL	Human Face Detection in Visual Scenes by Henry A. Rowley, Shumeet Baluja and Takeo Kanade, November 1995, pp. 1-24		
AM	Recognizing Faces Showing Expressions by Yaser Yacoob Heung-Man Lam and Larry S. Davis (To appear in International Workshop on Automatic Face-and Gesture-Recognition,		
AN	Learning Human Face Detection in Cluttered Scenes by Kah-Kay Sung and Tomaso Poggio (to appear in prco. 6th Intl. Conf. CAIP' 95, Prague, Czech Republic, pp. 1-8		
AO	COLOR INDEXING (Using Color As A Reference Index) by Michael J. Swain, Dana H. Ballard, International Journal of Computer Vision, 7:1, 11-32 (1991), 1991 Kluwer Academic Publishers, Manufactured in The Netherlands,		
AP	Proceedings of the Fourth International Joint Conference on Pattern Recognition by Motoi Suwa, Noboru Sugie and Keisuke Fujimura, November 7-10, 1973, Kyoto, Japan, Sponsored by the International Association for Pattern Recognition (IAPR): an Affiliate Member of IFIP, pp. 408-411		

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.